EndoTherm®

Case Study: Station Medical Center – Altoona, PA

A pilot of EndoTherm was run at the Station Medical Center in Altoona, Pennsylvania.

Historical consumption was provided in the form of gas bills stretching back to January 2017 to November 2018. These bills were in two monthly intervals. A regression analysis was constructed using this data normalized with Heating Degree Days from Altoona-Blair Country Airport (65°F baseload).

39.64%

Total Savings

FINANCIAL SAVING

$5,065

CO_2e SAVING

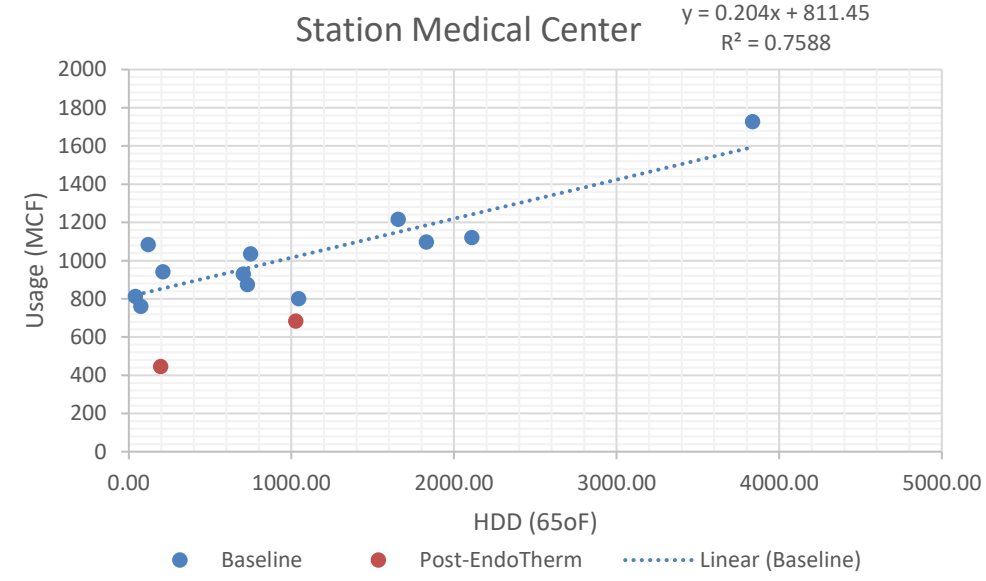
90,980lbs

KEY INFORMATION

Installed: Mar 2019
Trial period: 4 Months

Boiler: Bryan Boilers
Pump Size: 300GPM

The baseline's line of best fit equation (y = 0.204x +811.45) will be used to predict consumption based on the post-EndoTherm recorded HDD values. This will be compared against the predicted consumption to determine the success of the pilot.



Predicted Consumption (MCF)	1872.045
Actual Consumption (MCF)	1129.8
Saving (MCF)	742.245
Saving (%)	39.64%

The pilot saved 742MCF compared with the predicted baseline. At $6.824 per MCF this is a saving of $5065 meaning the pilot paid back its investment within 4 months.

We are very pleased with the results of the endotherm energy savings program it has worked better than our expectations. I would recommend use of this product in any leak tight hydronic heating cooling system.
Facilities Manager, Station Medical Center

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